

W. F. Dunning, Ph.D.
Papanicolaou Cancer Res. Inst
October 3, 1973

Grant Application # 922 - Arcos

Title: Synergistic effects of polycyclic hydrocarbons and nitrosamines in pulmonary carcinogenesis. Potential repressors of metabolic activation of nitrosamines.

Comments:

1. Investigator appears to be well qualified to conduct the proposed research program.
2. The experimental plan is adequate to determine the extent of synergism between the hydrocarbons 3,4-Benzopyrene and 3,4-Benzofluoranthene and nitrosamines Dimethylnitrosamine, Methyl-ethylnitrosamine and N-Nitrosopiperidine.
3. The proposal to test the anti-carcinogenic effect of B-Naphthoflavone and Pregnenolone-16a-carbonitrile is well supported by the working hypothesis.
4. The estimated time of 4 years for completion seems practical.
5. The budget is very reasonable for the maintenance of 700 rats with complicated long term experimental protocols and the eventual preparation and analysis of necropsy and histopathological data.

CTR - bcc: Drs. Andervont, Huebner, Meier
Drs. Gardner, Hockett, Mr. Hoyt

1003545108